

Title (en)

Waterproof and breathable composite film, and waterproof and breathable composite fabric

Title (de)

Wasserdichter und Atmungsaktiver mehrschichtiger Folien-verbund und wasserdampfdurchlässiges und wasserdichtes Verbundgewebe

Title (fr)

Feuille stratifiée et tissu composite, perméables à l'air et imperméables à l'eau

Publication

EP 1568485 B1 20100908 (EN)

Application

EP 05251132 A 20050225

Priority

JP 2004051848 A 20040226

Abstract (en)

[origin: EP1568485A1] A composite film having an abrasion-resistant layer on one side of a flexible base material that is waterproof and permeable to water vapor, wherein the waterproof moisture-permeable composite film is characterized in that the flexible base material contains a polar polymer, and the abrasion-resistant layer contains a cross-linked polyamide resin. <IMAGE>

IPC 8 full level

B32B 3/30 (2006.01); **A41D 31/00** (2006.01); **A41D 31/02** (2006.01); **A47G 9/08** (2006.01); **B32B 7/14** (2006.01); **B32B 27/12** (2006.01); **B32B 27/34** (2006.01); **C08G 18/10** (2006.01); **C08G 18/32** (2006.01); **C08J 7/04** (2006.01); **D06N 7/00** (2006.01)

CPC (source: EP KR US)

A41D 31/102 (2019.01 - EP KR US); **A41D 31/245** (2019.01 - EP KR US); **A47G 9/086** (2013.01 - EP KR US); **B32B 7/14** (2013.01 - EP KR US); **B32B 27/08** (2013.01 - KR US); **B32B 27/12** (2013.01 - EP KR US); **B32B 27/322** (2013.01 - KR US); **B32B 27/34** (2013.01 - KR US); **C08G 18/10** (2013.01 - EP KR US); **C08G 18/3262** (2013.01 - EP KR US); **C08J 7/0427** (2020.01 - KR US); **D06M 17/00** (2013.01 - EP); **D06N 3/0059** (2013.01 - EP); **B32B 2305/024** (2013.01 - KR US); **B32B 2307/554** (2013.01 - KR US); **B32B 2307/724** (2013.01 - KR US); **B32B 2307/7265** (2013.01 - KR US); **B32B 2327/18** (2013.01 - KR US); **B32B 2437/00** (2013.01 - KR US); **C08J 2477/00** (2013.01 - EP KR US); **Y10T 428/249978** (2015.04 - EP US); **Y10T 428/249987** (2015.04 - EP US); **Y10T 428/249991** (2015.04 - EP US); **Y10T 442/2139** (2015.04 - EP US); **Y10T 442/2148** (2015.04 - EP US); **Y10T 442/2221** (2015.04 - EP US); **Y10T 442/273** (2015.04 - EP US)

Cited by

EP2088230A1; ITBO20100507A1; EP2116373A4; EP2063017A4; US2020344958A1; US11957092B2; US10414138B2; US9981454B2; WO2010132082A1; US8163662B2; US9040436B2; US9084447B2; US9215900B2; WO2008102483A1; US9006117B2; US9089172B2; US9215897B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1568485 A1 20050831; **EP 1568485 B1 20100908**; AT E480396 T1 20100915; CN 1324190 C 20070704; CN 1699684 A 20051123; DE 602005023365 D1 20101021; JP 2005238648 A 20050908; JP 5153991 B2 20130227; KR 101107350 B1 20120119; KR 20060043210 A 20060515; US 2005191920 A1 20050901

DOCDB simple family (application)

EP 05251132 A 20050225; AT 05251132 T 20050225; CN 200510068572 A 20050228; DE 602005023365 T 20050225; JP 2004051848 A 20040226; KR 20050016279 A 20050226; US 6454105 A 20050223